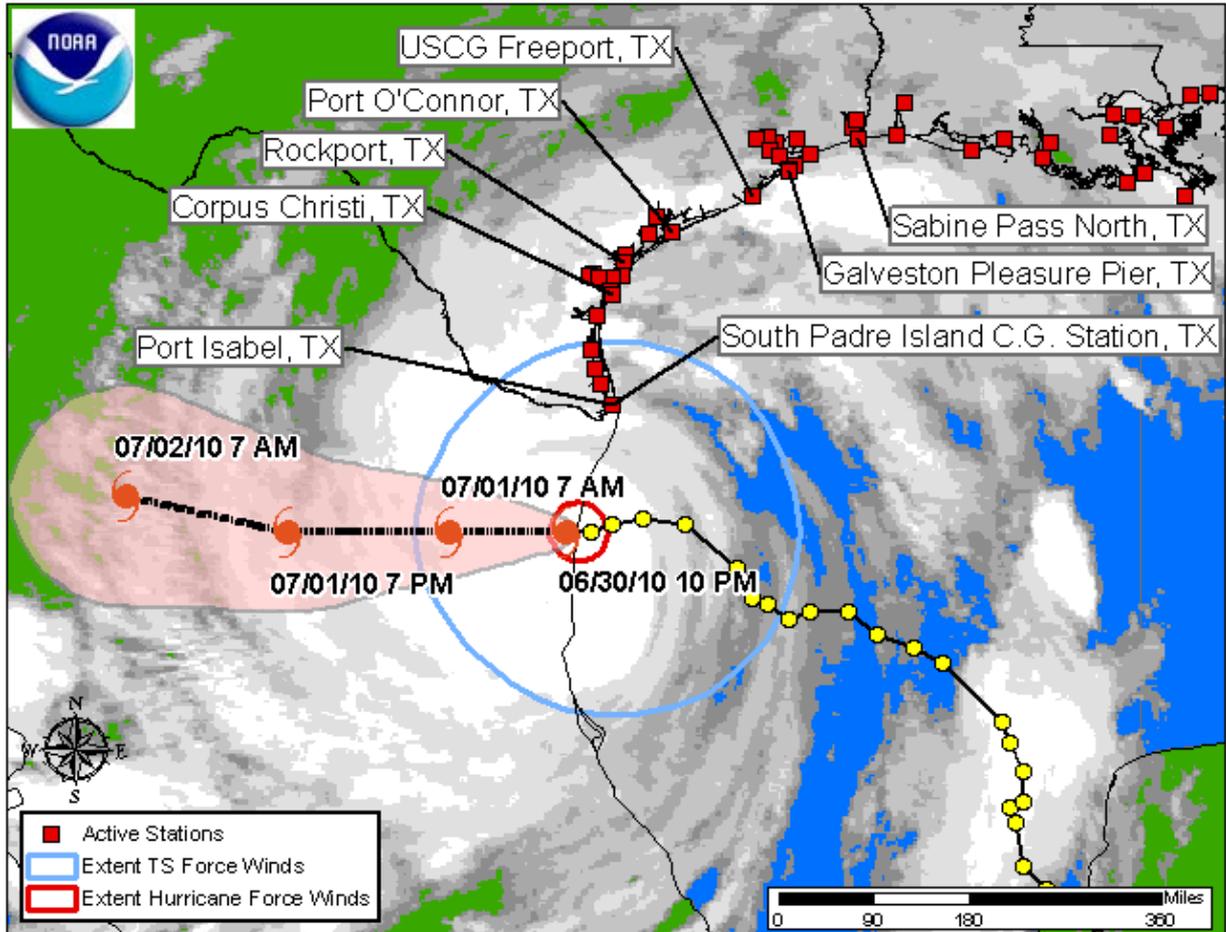




Hurricane ALEX QuickLook
Posted: 23:00 CDT 06/30/2010

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

ALEX making landfall and moving inland over northeastern Mexico.

As of 06/30/2010 23:00 CDT, water levels along the Texas coast are increasing and range between 1.4 and 3.6 feet above predicted. Winds continue to increase, with gusts up to 40 kts being recorded. Barometric pressure continues at stations south of Corpus Christi, TX.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Port Isabel, TX: Next predicted high tides are 1.00 ft (0.31 m) at 07/01/2010 09:09 CDT and 0.94 ft (0.29 m) at 07/02/2010 09:03 CDT.

South Padre Island C.G. Station, TX: Next predicted high tides are 0.84 ft (0.26 m) at

07/01/2010 08:58 CDT and 0.78 ft (0.24 m) at 07/02/2010 08:56 CDT.

Corpus Christi, TX: Next predicted high tides are 1.23 ft (0.37 m) at 07/01/2010 07:57 CDT and 0.79 ft (0.24 m) at 07/01/2010 17:45 CDT.

Rockport, TX: Next predicted high tides are 0.14 ft (0.04 m) at 07/01/2010 12:41 CDT and 0.14 ft (0.04 m) at 07/01/2010 19:46 CDT.

Port O'Connor, TX: Next predicted high tides are 0.41 ft (0.12 m) at 07/01/2010 12:29 CDT and 0.34 ft (0.10 m) at 07/02/2010 11:20 CDT.

USCG Freeport, TX: Next predicted high tides are 1.41 ft (0.43 m) at 07/01/2010 08:10 CDT and 0.83 ft (0.25) at 07/01/2010 17:49 CDT.

Galveston Pleasure Pier, TX: Next predicted high tides are 1.74 ft (0.53 m) at 07/01/2010 08:13 CDT and 1.06 ft (0.32) at 07/01/2010 19:11 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.41 ft (0.43) at 07/01/2010 08:27 CDT and 1.00 ft (0.30) at 07/01/2010 18:42 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst:CMF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

**HURRICANE ALEX ADVISORY NUMBER 22
1000 PM CDT WED JUN 30 2010**

...ALEX MOVING INLAND OVER NORTHEASTERN MEXICO...

WATCHES AND WARNINGS

THE HURRICANE WARNING IS CHANGED TO A TROPICAL STORM WARNING FOR THE COAST OF TEXAS SOUTH OF BAFFIN BAY TO THE MOUTH OF THE RIO GRANDE.

A TROPICAL STORM WARNING IS IN EFFECT FOR THE COAST OF TEXAS FROM THE MOUTH OF THE RIO GRANDE TO PORT OCONNOR

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 PM CDT THE CENTER OF HURRICANE ALEX WAS LOCATED ABOUT 35 MI N OF LA PESCA MEXICO AND ABOUT 110 MI S OF BROWNSVILLE TEXAS. THIS POSITION IS JUST

INLAND OF THE COAST OF NORTHEASTERN MEXICO IN THE MUNICIPALITY OF SOTO LA MARINA. ALEX IS MOVING TOWARD THE WEST NEAR 10 MPH AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT DAY OR SO. ON THIS TRACK THE CENTER OF ALEX WILL MOVE FARTHER INLAND OVER NORTHEASTERN MEXICO ON THURSDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 100 MPH WITH HIGHER GUSTS. ALEX IS A CATEGORY TWO HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. STEADY WEAKENING WILL OCCUR AS THE TROPICAL CYCLONE MOVES OVER LAND AND ALEX IS EXPECTED TO DISSIPATE OVER MEXICO WITHIN 1 TO 2 DAYS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 35 MILES FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES.

AN AIR FORCE HURRICANE HUNTER AIRCRAFT REPORTED A MINIMUM CENTRAL PRESSURE OF 947 MB JUST BEFORE LANDFALL.

HAZARDS AFFECTING LAND

RAINFALL...ALEX IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES OVER PORTIONS OF NORTHEASTERN MEXICO AND SOUTHERN TEXAS WITH ISOLATED MAXIMUM AMOUNTS OF 20 INCHES. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES ESPECIALLY OVER MOUNTAINOUS TERRAIN.

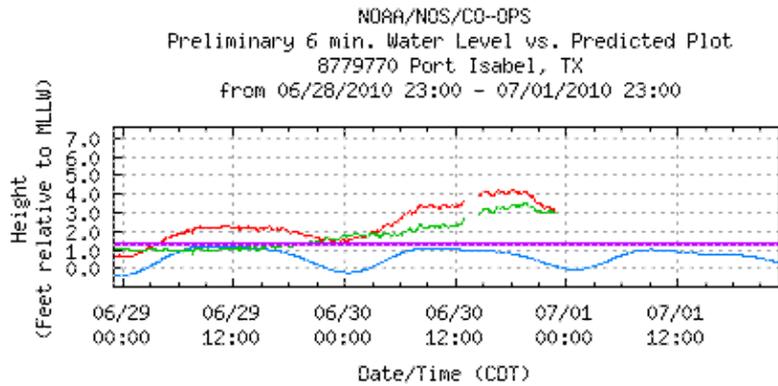
STORM SURGE...A DANGEROUS STORM TIDE WILL RAISE WATER LEVELS BY AS MUCH AS 4 TO 6 FEET ABOVE GROUND LEVEL ALONG THE IMMEDIATE COAST TO THE NORTH OF WHERE THE CENTER HAS MADE LANDFALL. THE WATER COULD PENETRATE INLAND AS FAR AS SEVERAL MILES FROM THE SHORE WITH DEPTH GENERALLY DECREASING AS THE STORM TIDE MOVES INLAND. NEAR THE COAST THE SURGE WILL BE ACCOMPANIED BY LARGE AND DESTRUCTIVE WAVES. THE STORM TIDE AND WAVES WILL GRADUALLY DIMINISH ON THURSDAY.

FORECASTER PASCH/BERG

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

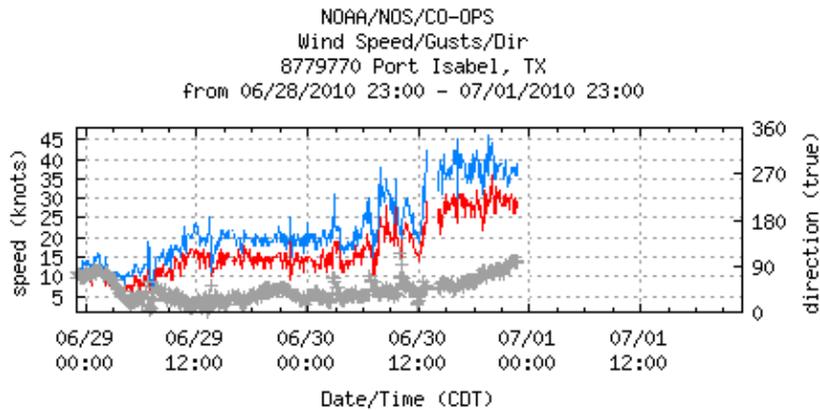
Jump to: [Port Isabel - Water Level](#), [Port Isabel - Winds](#), [Port Isabel - Barometric](#), [Port Isabel - Air/Water Temp](#), [South Padre Island C.G Station - Water Level](#), [Corpus Christi - Water Level](#), [Corpus Christi - Winds](#), [Corpus Christi - Barometric](#), [Corpus Christi - Air/Water Temp](#), [Rockport - Water Level](#), [Rockport - Winds](#), [Rockport - Barometric](#), [Rockport - Air/Water Temp](#), [Port O'Connor - Water Level](#), [USCG Freeport - Water Level](#), [USCG Freeport - Winds](#), [USCG Freeport - Barometric](#), [USCG Freeport - Air/Water Temp](#), [Galveston Pleasure Pier - Water Level](#), [Galveston Pleasure Pier - Winds](#), [Galveston Pleasure Pier - Barometric](#), [Galveston Pleasure Pier - Air/Water Temp](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#), [Sabine Pass North - Air/Water Temp](#),

Port Isabel, TX - [Return to List](#)



Last Observed Sample: 06/30/2010 22:42 (CDT)
 Relative to **MLLW**: **Observed: 3.10 ft. Predicted: 0.14 ft. Residual: 2.96 ft.**
 Historical Maximum Water Level: Aug 9 1980, 5.67 ft. above **MHHW**

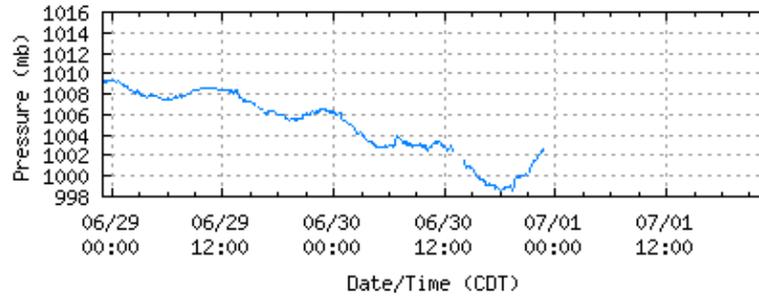
Port Isabel, TX - [Return to List](#)



Last Observed Sample: 06/30/2010 22:42 (CDT)
Wind Speed: 29 knots Gusts: 39 knots Direction: 102° T

Port Isabel, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8779770 Port Isabel, TX
from 06/28/2010 23:00 - 07/01/2010 23:00



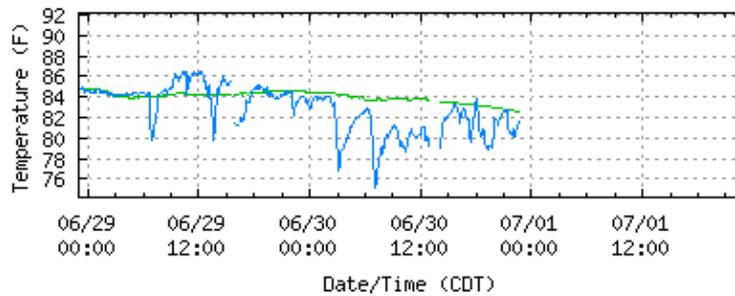
barometric pressure —

Last Observed Sample: 06/30/2010 22:42 (CDT)

Barometric Pressure: 1002.6 mb

Port Isabel, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Air/Water Temperature Plot
8779770 Port Isabel, TX
from 06/28/2010 23:00 - 07/01/2010 23:00

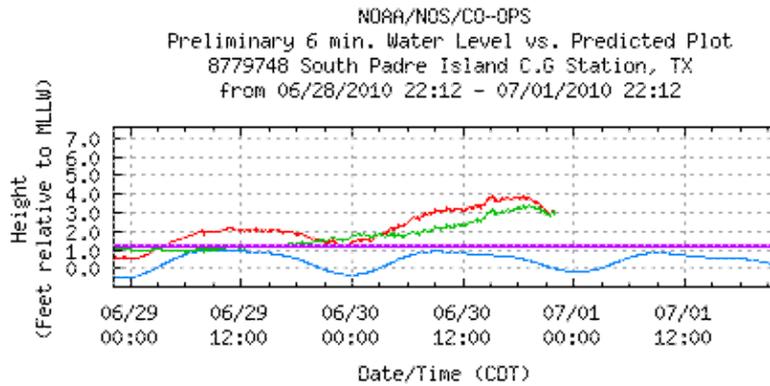


water temp. — air temp —

Last Observed Sample: 06/30/2010 22:42 (CDT)

Water Temperature: 82.6° F Air Temperature: 81.7° F

South Padre Island C.G Station, TX - [Return to List](#)



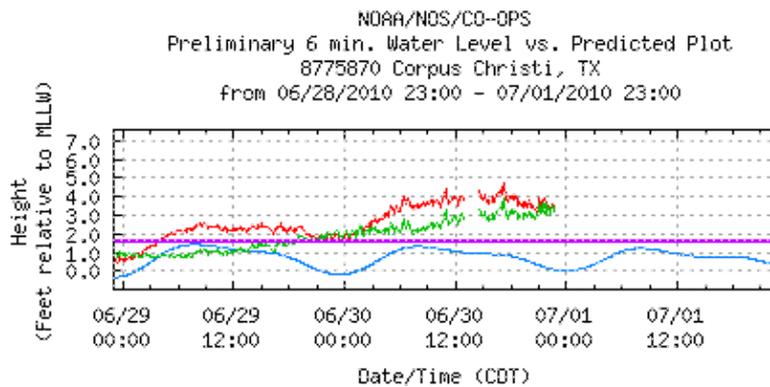
Predicted WL ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

Last Observed Sample: 06/30/2010 21:54 (CDT)

Relative to **MLLW**: **Observed: 3.05 ft. Predicted: 0.00 ft. Residual: 3.05 ft.**

Historical Maximum Water Level: , 0 ft. above **MHHW**

Corpus Christi, TX - [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
Observed WL ——— MHHW ———

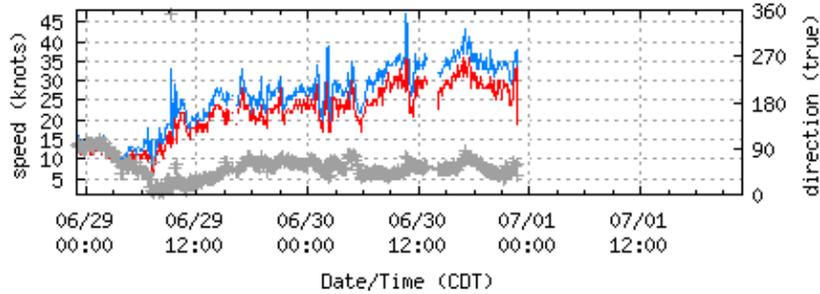
Last Observed Sample: 06/30/2010 22:42 (CDT)

Relative to **MLLW**: **Observed: 3.30 ft. Predicted: 0.08 ft. Residual: 3.22 ft.**

Historical Maximum Water Level: Sep 10 1998, 3.33 ft. above **MHHW**

Corpus Christi, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Wind Speed/Gusts/Dir
8775870 Corpus Christi, TX
from 06/28/2010 23:00 - 07/01/2010 23:00



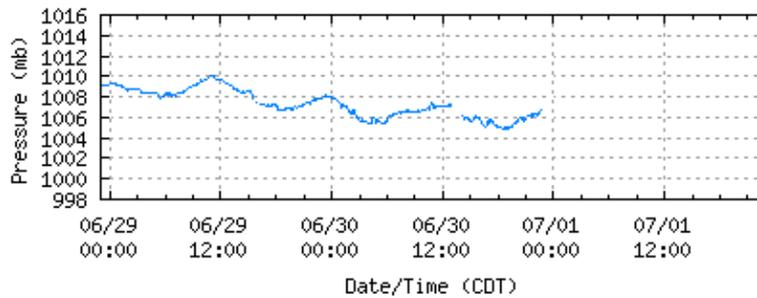
speed — gusts — direction +

Last Observed Sample: 06/30/2010 22:42 (CDT)

Wind Speed: 19 knots Gusts: 34 knots Direction: 036° T

Corpus Christi, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8775870 Corpus Christi, TX
from 06/28/2010 23:00 - 07/01/2010 23:00



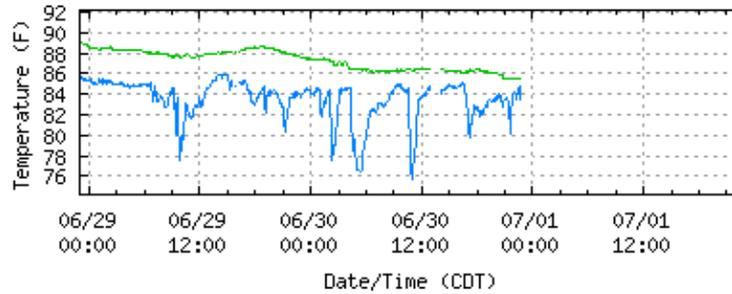
barometric pressure —

Last Observed Sample: 06/30/2010 22:42 (CDT)

Barometric Pressure: 1006.7 mb

Corpus Christi, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8775870 Corpus Christi, TX
from 06/28/2010 23:00 - 07/01/2010 23:00



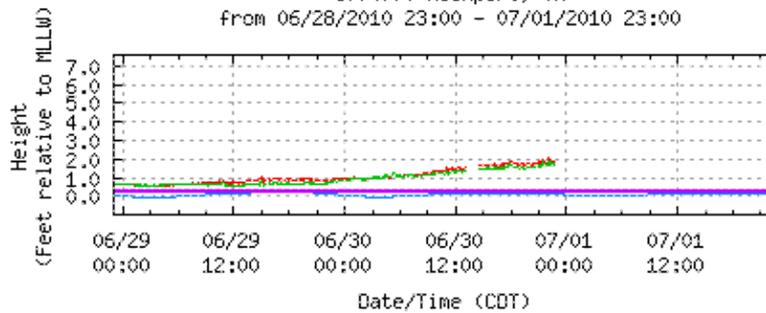
water temp. — green — air temp — blue —

Last Observed Sample: 06/30/2010 22:42 (CDT)

Water Temperature: 85.6° F Air Temperature: 83.5° F

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8774770 Rockport, TX
from 06/28/2010 23:00 - 07/01/2010 23:00



Predicted WL — blue — (Obs-Pred) — green —
Observed WL — red — MHHW — purple —

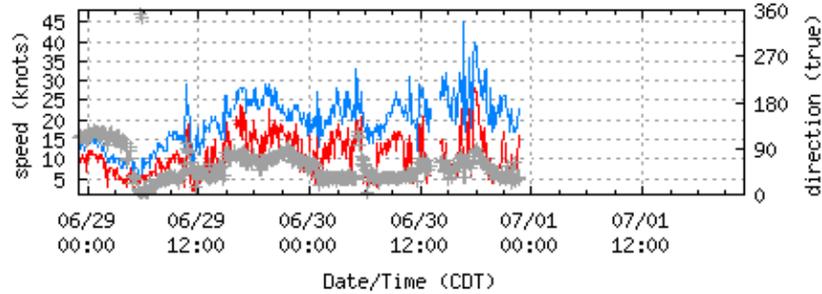
Last Observed Sample: 06/30/2010 22:42 (CDT)

Relative to **MLLW**: Observed: 1.82 ft. Predicted: 0.12 ft. Residual: 1.70 ft.

Historical Maximum Water Level: Aug 10 1980, 3.74 ft. above **MHHW**

Rockport, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Wind Speed/Gusts/Dir
8774770 Rockport, TX
from 06/28/2010 23:00 - 07/01/2010 23:00



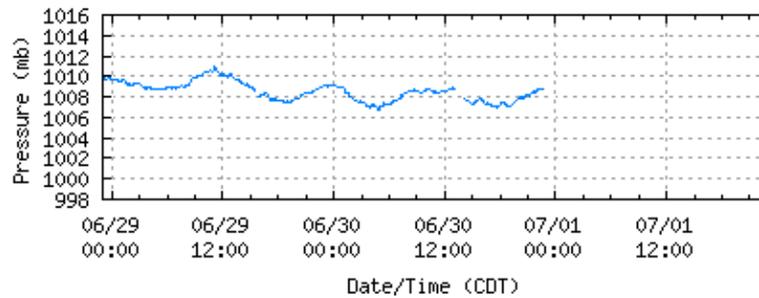
speed — gusts — direction +

Last Observed Sample: 06/30/2010 22:42 (CDT)

Wind Speed: 16 knots Gusts: 23 knots Direction: 030° T

Rockport, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8774770 Rockport, TX
from 06/28/2010 23:00 - 07/01/2010 23:00



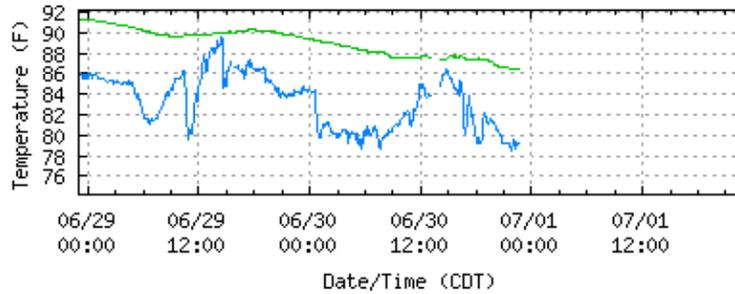
barometric pressure —

Last Observed Sample: 06/30/2010 22:42 (CDT)

Barometric Pressure: 1008.8 mb

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8774770 Rockport, TX
 from 06/28/2010 23:00 - 07/01/2010 23:00



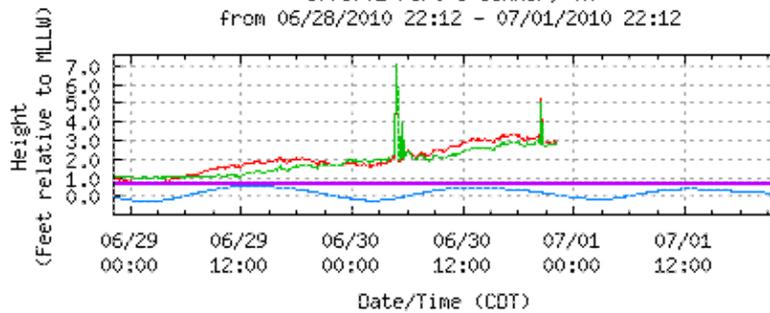
water temp. — air temp —

Last Observed Sample: 06/30/2010 22:42 (CDT)

Water Temperature: 86.5° F Air Temperature: 79.3° F

Port O'Connor, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8773701 Port O'Connor, TX
 from 06/28/2010 22:12 - 07/01/2010 22:12



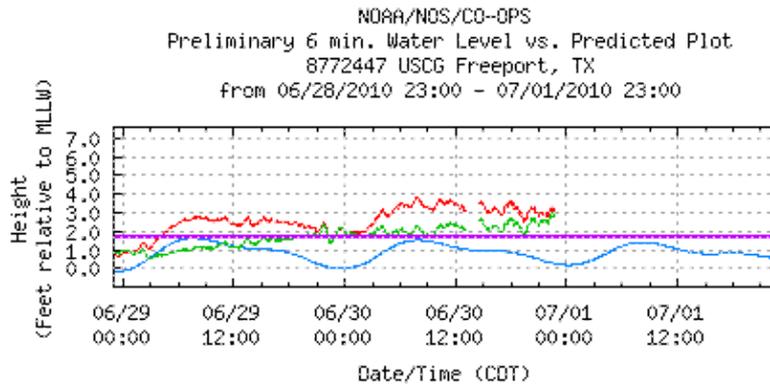
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 06/30/2010 22:00 (CDT)

Relative to **MLLW**: Observed: 2.92 ft. Predicted: 0.09 ft. Residual: 2.83 ft.

Historical Maximum Water Level: , 0 ft. above **MHHW**

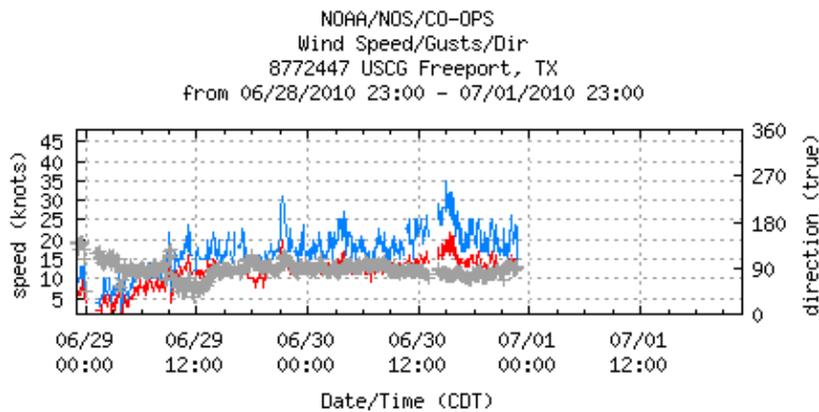
USCG Freeport, TX - [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 06/30/2010 22:42 (CDT)
 Relative to **MLLW**: **Observed: 3.17 ft. Predicted: 0.28 ft. Residual: 2.89 ft.**
 Historical Maximum Water Level: Sep 12 2008, 5.6 ft. above **MHHW**

USCG Freeport, TX - [Return to List](#)

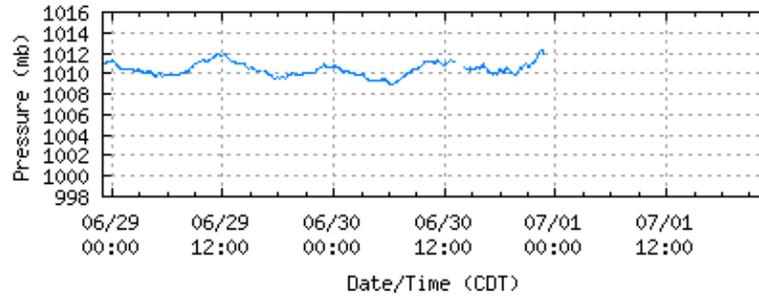


speed ——— gusts ——— direction +

Last Observed Sample: 06/30/2010 22:42 (CDT)
Wind Speed: 11 knots Gusts: 15 knots Direction: 089° T

USCG Freeport, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8772447 USCG Freeport, TX
from 06/28/2010 23:00 - 07/01/2010 23:00



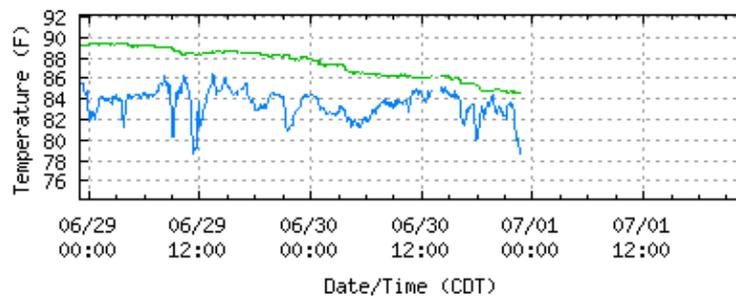
barometric pressure —

Last Observed Sample: 06/30/2010 22:42 (CDT)

Barometric Pressure: 1012.0 mb

USCG Freeport, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Air/Water Temperature Plot
8772447 USCG Freeport, TX
from 06/28/2010 23:00 - 07/01/2010 23:00

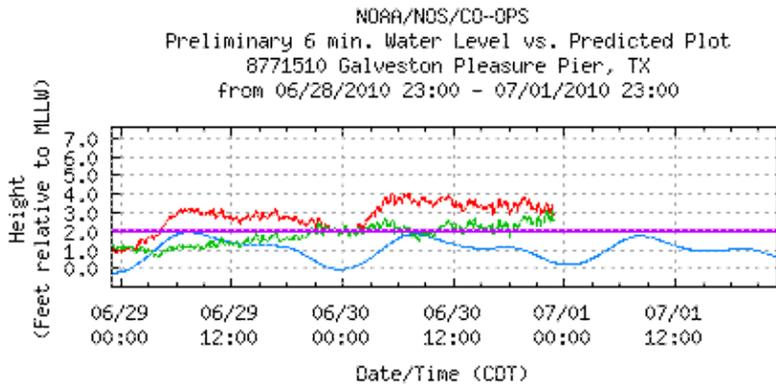


water temp. — air temp —

Last Observed Sample: 06/30/2010 22:42 (CDT)

Water Temperature: 84.6° F Air Temperature: 78.8° F

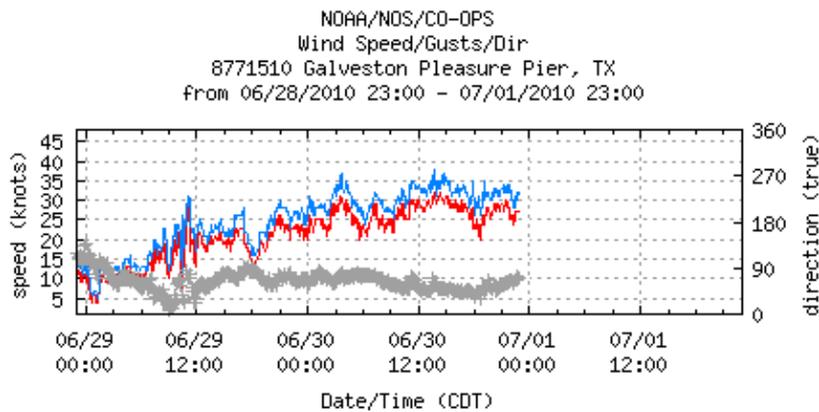
Galveston Pleasure Pier, TX - [Return to List](#)



Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 06/30/2010 22:48 (CDT)
 Relative to **MLLW**: **Observed: 2.89 ft. Predicted: 0.32 ft. Residual: 2.57 ft.**
 Historical Maximum Water Level: Sep 11 1961, 7.16 ft. above **MHHW**

Galveston Pleasure Pier, TX - [Return to List](#)

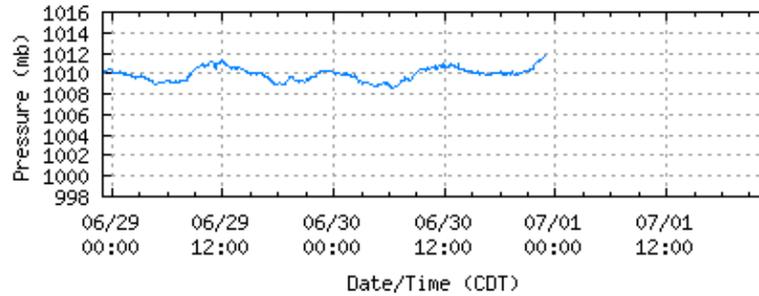


speed ——— gusts ——— direction +

Last Observed Sample: 06/30/2010 22:48 (CDT)
Wind Speed: 27 knots Gusts: 32 knots Direction: 070° T

Galveston Pleasure Pier, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8771510 Galveston Pleasure Pier, TX
from 06/28/2010 23:00 - 07/01/2010 23:00



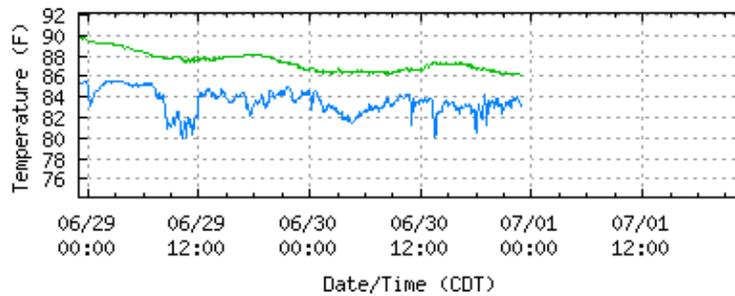
barometric pressure —

Last Observed Sample: 06/30/2010 22:48 (CDT)

Barometric Pressure: 1011.7 mb

Galveston Pleasure Pier, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8771510 Galveston Pleasure Pier, TX
from 06/28/2010 23:00 - 07/01/2010 23:00

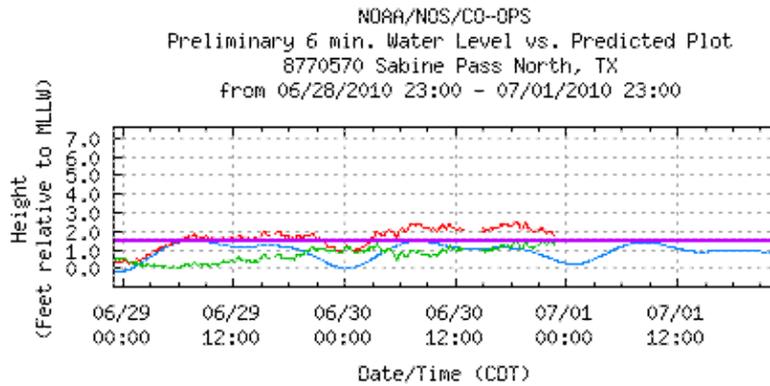


water temp. — air temp —

Last Observed Sample: 06/30/2010 22:48 (CDT)

Water Temperature: 86.0° F Air Temperature: 83.1° F

Sabine Pass North, TX - [Return to List](#)



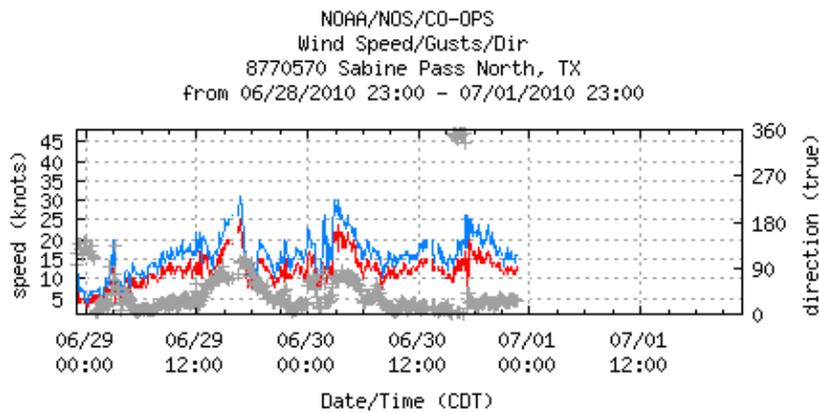
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 06/30/2010 22:42 (CDT)

Relative to **MLLW**: **Observed: 1.73 ft. Predicted: 0.46 ft. Residual: 1.27 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above **MHHW**

Sabine Pass North, TX - [Return to List](#)

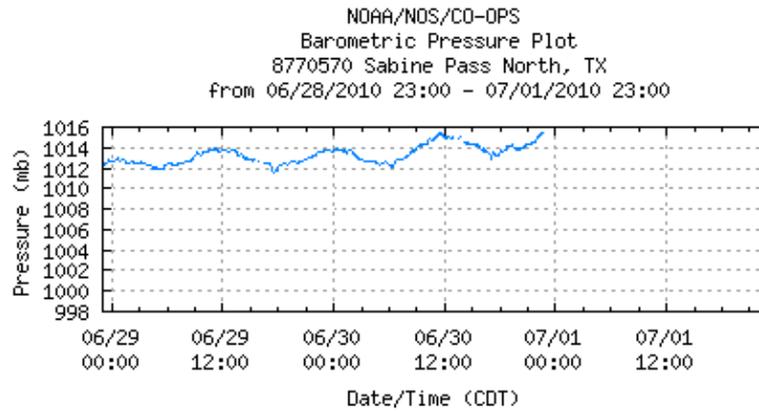


speed ——— gusts ——— direction +

Last Observed Sample: 06/30/2010 22:42 (CDT)

Wind Speed: 13 knots Gusts: 16 knots Direction: 027° T

Sabine Pass North, TX - [Return to List](#)

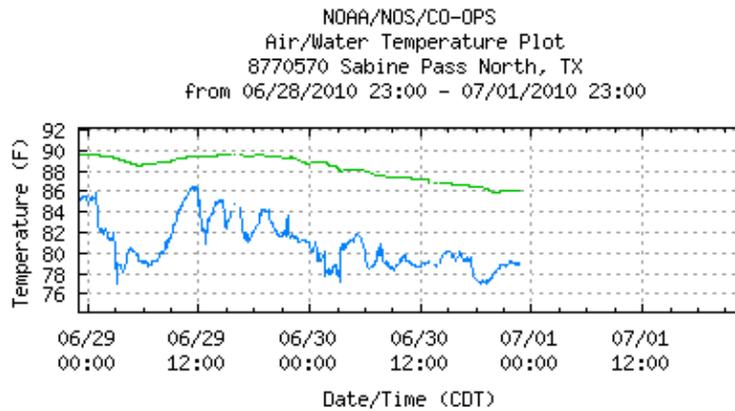


barometric pressure —

Last Observed Sample: 06/30/2010 22:42 (CDT)

Barometric Pressure: 1015.5 mb

Sabine Pass North, TX - [Return to List](#)



water temp. — air temp —

Last Observed Sample: 06/30/2010 22:42 (CDT)

Water Temperature: 86.0° F Air Temperature: 78.8° F

Hurricane ALEX QuickLook, POSTED 23:00 CDT 06/30/2010

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce